

REMARKS

Claims 1-8 are pending in this application, of which claims 1-8 have been amended in order to more particularly point out, and distinctly claim the subject matter to which the applicants regard as their invention. Claims 9 and 10 have been cancelled and claims 11-14 have been added. No new matter is present.

Claim Rejections under 35 USC §103

Claims 1-8 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Murashita, U.S. 6,330,574, in view of Dean et al., U.S. 2002/0152244, in further view of Bruce Martin and Bashar Jano, WAP Binary XML Content Format, W3C Note, June 24, 1999 ("W3C").

The present invention is according to claims 1 and 5 is a system and method for code processing of document data. Processing begins by encoding a document data written in an extensible text format description language of to code data using a translation table written in a description language of an extensible text format. The translation table defines link information of other translation tables. Also, the translation table defines a code length and a code assigned to items of the link information, an element name, an element value of the element name, an attribute name designated in the element name, an attribute value of the attribute name. Further, the translation table defines a code length and a code assigned for designate parentage structure between one element name and other element name.

Murashita describes compression and decompression of tags in a markup document. A tag code table is created based upon a tag extracted by a tag extracting unit. The Examiner asserts that the tag code table is equivalent to the translation table of the present invention. The Examiner admits that tag code table of Murashita is not written in a description language of an extensible text format.

Dean et al. describes using lookup tables encoded as XML files. These lookup tables store translations of element names and help strings as well as labels.

W3C describes Wireless Application Protocol (WAP) binary Extensible Markup Language (XML) content format. This submission defines a compact binary representation of XML so as to reduce the transmission size of XML documents to facilitate the operation of wireless devices. The Examiner asserts that code pages discussed in W3C are equivalent to the translation tables of the present invention.

As recited in the amended independent claims 1 and 5 and also new claim 13, important features of the present invention are (1) using of code-translation table written in a description language of an extensible text format when encoding document data written in this description language of the extensible text format to code data and when decoding the code data to document data, and (2) the code-translation table defines link information about other code-translation tables that correspond to extended document structure.

With respect to the feature number 1 discussed above.

The tag document, the tag code table and the tag decode table in Murashita are written in

SGML that is not extensible like HTML as the background art section of the present invention indicates (See Fig. 1). Thus, Murashita never teaches the feature indicated in item 1 above.

Dean et al. discloses lookup tables written in XML of extensible text. However, these lookup tables in Dean et al. merely indicate data that can be provided as graphical user interface (GUI) and therefore are not code-translation tables used when encoding or decoding as the present invention. Thus Dean et al. also never teaches the feature indicated in item 1 above.

W3C merely discloses content format of XML but does not disclose code-translation tables used when encoding or decoding as the present invention. Thus W3C never teaches the feature indicated in item 1 above.

With respect to the feature number 2 discussed above.

As shown in Fig. 2, according to the present invention, in case that the document data 12 is extended by a plurality of document data 120 and 121, the code-translation table 11 defines link information with respect to a plurality of code-translation tables 110 and 111 that correspond to the extended document structure 120 and 121.

It is clearly apparent that Murashita, Dean et al. and W3C fails to disclose or suggest the feature of item 2 discussed above..

As the examiner has asserted, Gatz et al., Duliba et al. and Tenev et al. disclose a table defining link information of other tables. However, this link information disclosed in Gatz et al., Duliba et al. and Tenev et al is not link information about other code-translation tables that

correspond to extended document structure written in the description language of the extensible text format.

Therefore, withdrawal of the rejection of claims 1-8 under 35 U.S.C. §103(a) as being unpatentable over Murashita, U.S. 6,330,574, in view of Dean et al., U.S. 2002/0152244, in further view of Bruce Martin and Bashar Jano, WAP Binary XML Content Format, W3C Note, June 24, 1999 ("W3C") is respectfully requested.

New Claims 11-14

New claims 11-14 have been added to this application. No new matter has been added in these claims. New claims 11 and 12 correspond to the embodiment shown in Fig. 8 and new claims 13 and 14 correspond to the embodiment shown in Fig. 9. As previously discussed these new claims patentably distinguish over the prior art. Therefore, allowance of new claims 11-14 is respectfully requested.

Conclusion

In view of the aforementioned amendments and accompanying remarks, claims 1-8, as amended, and new claims 11-14 are believed to be patentable and in condition for allowance, which action, at an early date, is requested.

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If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact the applicants' undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, the applicants respectfully petition for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS,
HANSON & BROOKS, LLP



George N. Stevens
Attorney for Applicant
Reg. No. 36,938

GNS/nrp
Atty. Docket No. 011736
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930



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